

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

F. Abel Ponce de Leon et al.

Application No. 09/127,738

Filed: August 3, 1998



Group Art Unit: 1633

Examiner: M. Wilson

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Title: PRODUCTION OF AVIAN EMBRYONIC GERM (EG) CELL LINES BY PROLONGED CULTURING OF PGCs, USE THEREOF FOR CLONING AND CHIMERIZATION

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REPLY AND AMENDMENT

Hon. Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated March 19, 2001, please amend the above identified application as follows.

In the Claims

Please cancel Claim 24.

Please amend Claims 1 and 14 as follows:

1. (Twice Amended) A culturing method which provides for the production of avian PGC and germ (EG) cells comprising the following steps:

- (i) isolating primordial germ cells (PGCs) from a desired avian;
- (ii) culturing said PGCs in a culture medium containing at least the following growth factors in amounts sufficient to maintain said PGCs for prolonged periods in tissue culture:

- (1) leukemia inhibitory factor (LIF),
- (2) basic fibroblast growth factor (bFGF),
- (3) stem cell factor (SCF) and
- (4) insulin-like growth factor (IGF),

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